

WHAT IS CLAIMED IS:

1. A device for positioning a reflective optical probe to a measurement site, the device comprising a attachment mechanism including a slot adapted to receive a positioning member of a reflective optical probe having at least one protruding portion, wherein the attachment mechanism is configured to apply pressure against the optical probe when the attachment mechanism is applied to a measurement site such that at least some of the at least one protruding portion noninvasively recesses into tissue at the measurement site.
2. The device of Claim 1, further comprising a pressure applicator for focusing pressure against the optical probe.
3. The device of Claim 2, wherein the pressure applicator comprises a biasing member.
4. The device of Claim 3, wherein the biasing member is substantially convex.
5. The device of Claim 1, wherein the attachment mechanism comprises a headband.
6. The device of Claim 5, further including indicia for instructing a caregiver on a how to apply a predetermined amount of pressure on the optical probe.
7. The device of Claim 6, wherein the indicia include ruler-like indicia.
8. The device of Claim 1, wherein the attachment mechanism comprises an adhesive tape.
9. The device of Claim 1, wherein the optical probe is selected by a caregiver based at least in part on the measurement site.
10. The device of Claim 1, wherein the optical probe includes at least one emitter configured to emit light energy at a wavelength chosen to generate accurate data for legacy oximeter systems.